## FAX TRANSMISSION

DATE:

April 5, 2005

PTO IDENTIFIER:

**Application Number** 

09/902,705-Conf. #8314

**Patent Number** 

6,849,436 BZ

Inventor:

Bednarik et al.

MESSAGE TO:

Certificate of Corrections Branch

**FAX NUMBER:** 

(703) 308-6672

FROM:

HUMAN GENOME SCIENCES, INC.

Mark J. Hyman, Reg. No. 46,789

PHONE:

(240) 314-1224

Attorney Dkt. #:

PF138P1C1

PAGES (Including Cover Sheet):

12

CONTENTS:

- 1. Fax Cover Sheet (1 page);
- 2. Request for Certificate of Correction (No Fee) (2 pages) with Exhibit A (2 pages) and Exhibit B (5 pages);
- 3. Proposed Certificate of Correction (1 page); and
- 4. Certificate of Transmission (1 page)

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#### **HUMAN GENOME SCIENCES, INC.**

Intellectual Property Dept , 14200 Snady Grove Road, Rockville, Maryland 20850

Telephone: Facsimile:

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:

Bednarik et al.

Docket No.: PF138P1C1

Patent No.: 6.849.436 B2

Issued: February 1, 2005

For: Human Hypoxanthine-(Guanine) Phosphoribosyl

Transferase-2

# REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.322

MS Post Issue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Upon reviewing the above-identified patent, Patentees noted typographical errors which should be corrected.

#### Title Page:

On the Title Page, under the heading "OTHER PUBLICATIONS," in the right-hand column of page 2 at line 6, the following citation should be corrected as follows:

"Genbank Entry Accession No. 106859 (1994)" should read --Genbank Entry Accession No. 106859 (1994)--.

The above-cited reference was listed on Form PTO/SB/08 that accompanied an Information Disclosure Statement filed September 17, 2003, and was initialed by the Examiner and returned to Applicants together with an Office Action mailed December 4, 2003. A copy of the Examiner-initialed Form PTO/SB/08 is submitted herewith as Exhibit A.

#### In the Claims:

Claim 42, at line 17, should be corrected as follows:

- 42. An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide selected from the group consisting of:
  - (a) a polypeptide comprising an amino acid sequence which is at least 95% identical to amino acids 1 to 212 of SEQ ID NO:2; and

(b) a polypeptide comprising an amino acid sequence which is at least 95% identical to the sequence of a polypeptide encoded by the cDNA contained in ATCC Deposit No. 75884 75844.

Originally numbered Claim 103 was amended by Examiner's Amendment, allowed, and renumbered as Claim 42, as indicated in the Notice of Allowability mailed September 21, 2004. A copy of the Notice is submitted herewith as Exhibit B.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentees respectfully solicit the granting of the requested Certificate of Correction.

The above-identified errors were not in the application as filed or amended by applicant; accordingly no fee is believed to be required. However, should the Patent Office determine otherwise, please charge such fee to our Deposit Account No 08-3425.

Dated: April 5,2005

Respectfully submitted,

Mark J. Hyman

Registratibn No.: 46,789

HUMAN GENOME SCIENCES, INC.

Intellectual Property Dept. 14200 Shady Grove Road Rockville, Maryland 20850

(240) 314-1224

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Patent No.: 6,849,436

Docket No.: PF138P1C1

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U.S. PATENT DOCUMENTS						
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970	AB	5,108,921	04-28-1992	LOW et al		
DR		US 09/912.292		ROSEN et al	Pages 1-75 (pages 1 and 2 partially reducted): portion of Table 2, and SEQ ID NO 23842	
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3	AF			HOLMES et al.	- T	

FOREIGN PATENT DOCUMENTS							
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202	AG	WO-94/17183	08-04-1994	BERGMANN et al	7		
202	AH	WO-97/42320	11-13-1997	PAULAKIS et al	8 3		

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	NON PATENT LITERATURE DOCUMENTS	
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DR AP	MILLER et al. "A transmissible retrovirus expressing human hypoxanthine phosphoriposyltransterase (HPRT), gene transfer into cells obtained from humans delicient in HPRT." Proc. Natl. Acad. Sci. USA, Aug. 80(15):4709-4713, (1983).	
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1X2 IAR	ANDERSON W.F. Prospects for numan gene therapy, Science, 226,401-409 (1984).	

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300 l		phophoribosyltransferase crossreacting material in cryinrocytes of Lesch-Nyhan patients."
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	AT	MELTON et al. "Structure, expression, and mutation of the hypoxanthine
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	AU	JOLLY et al. "Isolation and charctenzation of a full-length expressible cDNA for human
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Notice of Allowability	09/902,705	BEDNARIK ET AL.
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	Delia M. Ramirez	1652
- The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communities. This application is sub-	his application. If not included cause THIS
1. This communication is responsive to 8/16/2004.		
2. The allowed claim(s) is/are <u>27-29, 31,33-37,64-66,68,70-7-</u>	4,77-81, <del>84-</del> 95,97,98-105,108-	<u>114</u> .
3. A The drawings filed on 22 March 2004 are accepted by the	Examiner.	
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority une</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have</li> </ul>		(f).
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Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a ENT of this application.	reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMes reason(s) why the eath or de	INER'S AMENDMENT or NOTICE OF eclaration is deficient.
6. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.	
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (	PTO-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		•
<ul> <li>(b)      including changes required by the attached Examiner's Paper No./Mail Date</li> </ul>	Amendment / Comment or in	the Office action of
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the one header according to 37 CFR 1	drawings in the front (not the back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I</li> </ol>	sit of BIOLOGICAL MATER	IAI must be submitted. Note the
Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Infor	mal Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sum	mary (PTO-413).
Information Disclosure Statements (PTO-1449 or PTO/SB/0/Paper No./Mail Date	Paper No./Ma 8), 7. ⊠ Examiner's An	nil Date nendment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Sta	atement of Reasons for Allowance
of Biological Material	9. 🗌 Other	
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Application/Control Number: 09/902,705

Art Unit: 1652

#### Page 2

#### DETAILED ACTION

#### Status of the Application

Claims 27-31, 33-37, 64-68, 70-81, 84-114 are pending.

Amendment of claims 27-29, 64-66, 77-81, 91-95, 103-107, and cancellation of claims 82-83, 115-126 in a communication filed on 8/16/2004 is acknowledged.

In a telephone conversation with Melissa Pytel on 9/8/2004, an agreement was reached to amend claims 31,68, 97, 103, and cancel claims 30, 67, 75-76, 96, 106-107 to place the application in condition for allowance.

#### Examiner's Amendment

- 1. An informal Examiner's amendment to the specification appears below. This amendment is to update the status of prior application(s) to which priority is claimed in the first sentence of the specification (37 CFR 1.78).
- 2. Please enter the following amendments to the specification as follows:
- 3. In page 1, please replace paragraph [001] with the following paragraph:

This application is a continuation of and claims priority under 35 U.S.C. § 120 to U.S. Application No. 08/461,031, filed June 5, 1995, now abandoned, which is a continuation-in-part of and claims priority under 35 U.S.C. § 120 to International Application No. PCT/US94/11914, filed on October 19, 1994, (which International Application was published by the International Bureau in the English language on May 2, 1996 as International Publication No. WO 96/12501), both of which are hereby incorporated by reference in their entirety.

4. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Application/Control Number: 09/902,705

Art Unit: 1652

Page 3

- 5. Authorization for this Examiner's amendment was given in a telephone interview with Melissa Pytel on 9/8/2004.
- 6. Please cancel claims 30, 67, 75-76, 96, 106-107.
- 7. Please replace claims 31, 68, 97, 103 as follows:
  - 31. An isolated nucleic acid molecule consisting of at least 50 contiguous nucleotides of nucleotides 626 to 1260 of SEQ ID NO: 1, or the completely complementary strand thereto, wherein said isolated nucleic acid is linked to a heterologous polynucleotide encoding a heterologous polypeptide.
  - 68. An isolated nucleic acid molecule consisting of at least 50 contiguous nucleotides of the coding sequence of the human cDNA contained in ATCC Deposit No. 75844, or the completely complementary strand thereto, wherein said isolated nucleic acid is linked to a heterologous polynucleotide encoding a heterologous polypeptide.
  - 97. An isolated nucleic acid molecule consisting of a polynucleotide sequence encoding a polypeptide selected from the group consisting of:
    - (a) a polypeptide consisting of at least 30 contiguous amino acid residues of amino acids 1 to 212 of SEQ ID NO: 2;
    - (b) a polypeptide consisting of at least 50 contiguous amino acid residues of amino acids 1 to 212 of SEQ ID NO: 2;
    - (c) a polypeptide consisting of at least 30 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit No. 75844; and
    - (d) a polypeptide consisting of at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit No. 75844;

wherein said isolated nucleic acid is linked to a heterologous polynucleotide encoding a heterologous polypeptide.

Page 4

Application/Control Number: 09/902,705

Art Unit: 1652

902,705

- 103. An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide selected from the group consisting of:
- (a) a polypeptide comprising an amino acid sequence which is at least 95% identical to amino acids 1 to 212 of SEQ ID NO: 2; and
- (b) a polypeptide comprising an amino acid sequence which is at least 95% identical to the sequence of a polypeptide encoded by the cDNA contained in ATCC Deposit No. 75844.

#### Reasons for Allowance

- 8. The following is an Examiner's statement of reasons for allowance. Although the prior art discloses nucleic acids encoding hypoxanthine (guanine) phosphoribosyl transferases, the Examiner has found no teaching or suggestion in the prior art directed to the polynucleotide of SEQ ID NO:1 or a polynucleotide encoding the polypeptide of SEQ ID NO: 2. Therefore, claims 27-29, 31, 33-37, 64-66, 68, 70-74, 77-81, 84-95, 97-105, 108-114 directed to the polynucleotide of SEQ ID NO: 1, a polynucleotide encoding the polypeptide of SEQ ID NO: 2, fragments of said polynucleotides, structural homologs of said polynucleotides encoding a hypoxanthine (guanine) phosphoribosyl transferase 2, vectors, host cells, and a method to recombinantly produce the polypeptide of SEQ ID NO: 2, fragments thereof, and structural homologs of the polypeptide of SEQ ID NO: 2 having hypoxanthine (guanine) phosphoribosyl transferase 2 activity, are allowable over the prior art of record.
- 9. Claims 27-29, 31, 33-37, 64-66, 68, 70-74, 77-81, 84-95, 97-105, 108-114 are allowed.
- 10. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Delia M. Ramirez whose telephone number is (571) 272-0938. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

Application/Control Number: 09/902,705

Art Unit: 1652

Page 5

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Ponnathapura Achutamurthy can be reached on (571) 272-0928. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1234.

Delia M. Ramirez, Ph.D. Patent Examiner
Art Unit 1652

DR September 9, 2004

Robert Low &

PTO/SB/44 (04-04)
Approved for use through 04/30/2007 OMB 0651-00/39
U.S. Patent and Tradement Office. U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1895, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Also Form PTO-1050)

# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO

6,849,436 BZ

DATED

February 1, 2005

INVENTOR(S)

Bednarik et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

#### Title Page:

Item [56], References Cited, under the heading "OTHER PUBLICATIONS," in the right-hand column of page 2, please replace item 6 with the following:

--Genbank Entry Accession No. I06859 (1994)--

#### In the Claims:

Please replace Claim 42 with the following:

- 42. An isolated nucleic acid molecule comprising a polynucleonde sequence encoding a polypeptide selected from the group consisting of:
- (a) a polypeptide comprising an amino acid sequence which is at least 95% identical to amino acids 1 to 212 of SEQ ID NO.2; and
- (b) a polypeptide comprising an amino acid sequence which is at least 95% identical to the sequence of a polypeptide encoded by the cDNA contained in ATCC Deposit No. 75844.

MAILING ADDRESS OF SENDER:

Mark J Hyman Human GENOME SCIENCES, INC. Intellectual Property Dept. 14200 Shady Grove Road Rockville, Maryland 20850 PATENT NO. 6,849,436 132

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Application No (if known): 09/902,705

Attorney Docket No.: PF138P1C1

### Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office.

on April 5 2005

Signature

Mark J. Hyman

Typed or printed name of person signing Certificate

46,789

(240) 314-1224

Registration Number, if applicable

Telephone Number

Note. Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

- 1. Fax Cover Sheet (1 page);
- Request for Certificate of Correction (No Fee) (2 pages) with Exhibit A (2 pages) and Exhibit B (5 pages);
- 3. Proposed Certificate of Correction (1 page), and
- Certificate of Transmission (1 page)